

NEWS OF THE MINING WORLD.

EFFECTS TO EXTRACT THE GOLD FROM REFRACATORY ORES.

DIGGING 3,000 FEET FOR IRON NEAR LAKE SUPERIOR—MINERS WHO WAIT TO SELL INSTEAD OF DEVELOPING PROPERTY—NEW STRIKES.

DRAGWOOD, DAK., JULY 17.—The same mine closed down last week for the purpose of putting in some new works and repairing. The superintendent says that the shutting down is not due to any lack of ore, for they have just made two or three very rich strikes, in which the ore body was shown to be more extensive than was supposed. Only a few stamps are running now, however, and most of the men have been discharged. It is said that the remaining stamps will be started up again this week. It has had the effect to knock the stock down from 75 cents per share to 40 cents.

THE DIRECTORS OF THE DEADWOOD REDUCTION WORKS AT THEIR LAST MEETING LEVIED AN ASSESSMENT OF \$1 PER SHARE ON THE STOCKHOLDERS OF THAT COMPANY. It is said to be the intention of the company to rebuild and adopt the Newberry-Van process.

PROF. CARPENTER OF THE SCHOOL OF MINES AT BALTIMORE IS DEVISING A GOOD DEAL OF TIME TO STUDY THESE REFRACATORY ORES, AND HE IS USING A PLAN WHICH, IF ADOPTED, WOULD UNDERTAKE ALL DIFFICULTY BY TREATING THEM SUCCESSFULLY. His plan is to erect smelting works similar to those in Omaha and Denver. The only objection to this plan is the cost of treatment. This plan has been tried, and is known to save both the silver and gold in the crevices without any waste whatever, but the cost of treating ore in these works is said to be in the neighborhood of \$15 per ton, which reduces the profits to a minimum. The Clark process and the Newberry-Van in process and the Gardner City process are claimed to be able to treat the ore for less than \$7 per ton, but these methods are only experiments at best, and it is a question whether it is profitable to expend more money at present in such experiments. Prof. Carpenter believes that the cost of smelting can be reduced to less than \$10 per ton.

Berkeley much of the cost has been due to the heavy rates for shipping coke into the country and flux; but the former has been reduced since competing railroads have agreed to a uniform rate, and Prof. Carpenter has devised a new method of fusing which he claims will be a saving for the companies to build their own works.

BERKELEY, W. Va., July 21.—The management of the Lake State Mining Company are considering the advisability of building boat yards for the manufacture of the new steel vessels to be built for the ore-carrying trade. The company has already secured a site and new boats will be about \$20,000 each, it might be a saving for the companies to build their own works.

Another great deal of work has been begun on the new vein, and the miners are making steady progress.

THE MONTENEGRO RANGES, ARIZ.—This week there was another shaft on the lake, which brought in 300,000 tons at the cost of dredging in 1888. Shipping costs were \$100 per ton, and the value of the output of last year at the same part of the season, and there is a possibility that the reduction in shipping charges will be about \$100,000.

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